



EQUIPMED®

POWER ELECTRIC
WHEELCHAIR
ASSEMBLY



Note: Colours may vary

Colours and designs may vary

User Manual

[Revision 5.0]

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be **KILLED** or **SERIOUSLY INJURED** if you do not follow instructions.



You **CAN** be **KILLED** or **SERIOUSLY INJURED** if you do not follow instructions.



You **CAN** be **INJURED** if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines **OUTSIDE** only, and far away from windows, doors, and vents.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!**• WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**

- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

Important Wheelchair Safety

- When attempting to stand you must ensure the footrests have been flipped up prior to attempting to exit the chair.
- Assistance may be required to exit the chair. A qualified carer is recommended when traveling up or down an incline.
- Do not stand directly on the wheels, do not place any weight directly on the wheels.
- When sitting on the seat ensure the brakes are engaged and the user is balanced towards the back of the seat. Do not lean forward.
- The transit wheelchair is not designed for transiting a patient through long distances or for use on rough, uneven surfaces.

Other Wheelchair Safety Reminders

- Please read and follow all instructions, warnings, and notes in this manual before attempting to operate your power wheelchair for the first time. If there is any information in this manual which you do not understand, or if you require additional assistance for assembly or operation, please contact your authorised local provider. The safe use of your product depends on whether you follow the instructions, cautions, and warnings in this manual. We are not liable for any damage and/or injuries resulting from unsafe operation or failure to follow the instructions, cautions, and warnings in this manual. The symbols below in this manual are used to identify warnings and important information. All of them are very important for your safety. It is strongly recommended that you read and understand them completely.
- Please read the user manual carefully and follow riding requirements during the power chair ride. Do not use it until riders have read the user manual carefully and learned the performance well. Do not lend it to those who cannot operate the power chair.
- You need lots of practice to grasp the skill before you ride the power chair safely. If you are not skilled or fail to follow the user guide of this product, it may cause injury to the rider or others, or property loss. Our company is only responsible for product defects or damage, and we are NOT responsible for physical injury or property loss related to using the product.

Attentions Before Operation

- Get familiar with local traffic rules.
- The power chair is classified as a non-motor vehicle, designed especially for the elderly and people with mobility issues. No driving licence is needed in accordance with traffic law, but the driver of the power chair should observe the same traffic rules that apply to pedestrians.
- Please drive the power chair in pedestrian lanes or bike lanes:
- Get familiar with all the traffic signals and marks used for pedestrians.
- Do not change direction or cross the road suddenly when driving.

Operation Practice

- Before operating this power chair for the first time, please become familiar with all the functions of the vehicle. Practise operations such as moving forward, increasing speed, reducing speed, stopping, moving backward, moving uphill, moving downhill, and turning in a safe place with fewer people and good road conditions. Once familiar with these operations, you can drive on the road.
- Do not drive the power chair if you have consumed alcohol, are exhausted, or are not fully conscious to ensure your safety.
- Please confirm that the operator of this power chair does not suffer from any mental illness or other conditions that may cause an attack while driving and result in the driver being unable to operate the vehicle safely.
- If you are taking medication, please confirm with your doctor whether the medication will adversely affect your ability to operate the electric wheelchair.
- Check the vehicle's condition to confirm that the brake and various functions are normal, the seat is locked, and the battery charge is sufficient.
- Never expose the electrical system of this vehicle to humid environments (such as rain, snow, or fog). Do not wash this vehicle with water, as it will damage the electrical system. If the power chair becomes wet, it should only be used after it has dried and its condition is confirmed to be good.
- Do not drive the power chair under hostile weather conditions, such as rain, snow, fog, strong winds, or temperatures below -20°C or above 40°C. The electrical system may be damaged under these conditions, causing control failures.
- Do not drive the power chair on deserts, beaches, muddy roads, roads with pooled water, icy roads, excessively smooth roads, or saline and alkaline lands to prevent impairing the vehicle's driving capability.

Attentions After Operation

- If you are not going to use the power chair for over 48 hours, please turn off the power switch.
- When transporting the power chair in other vehicles, ensure the battery is securely fixed.

Battery Usage

- **Auxiliary Charge:** If the delivery time is short, users can directly use the battery. If the delivery time is longer (2 months or more), the battery will lose power during storage and transport. It is better to charge the battery before use. To charge it, plug the exclusive charger into the battery-charging hole and connect to an AC100-240V power source for 6 - 8 hours until the charger indicates it is fully charged.
- **Normal Charge:** The operation of the power chair discharges the battery. The battery should be charged immediately after using the power-assisted vehicle. Please turn off the power if the chair is not being ridden.
- **Battery Connection:** The connectors of the battery box should be tightly fixed according to the requirements (the battery box connecting line has been reliably connected before leaving the factory). Loose or incorrect connections will cause the related parts to function abnormally and may lead to serious damage.
- **Handling Lithium Batteries:** Lithium batteries must not be near open flames or high-temperature heat sources, should not be thrown into water, and should not be exposed to the sun during high-temperature seasons.
- **Disassembly:** Do not disassemble or decompose the lithium battery, as its internal components are packaged securely.
- **Battery Disposal:** The waste lithium battery of the product should be recycled by the enterprise, dealer, or government-designated outlets. Please do not throw away the waste battery to prevent environmental pollution.

Other Safety Instructions

- Do not carry passengers.
- Do not drive across a slope.
- Do not drive under the influence of alcohol.
- Do not trail behind other vehicles.
- Do not turn on or use hand-held personal communication devices such as radios or cellular phones.
- Do not drive the power wheelchair without reading this instruction manual.
- Do not exceed the maximum safe climbing angle.
- Do not use the joystick erratically when going up or down an incline.
- Do not carry any passengers or exceed the maximum user weight when you drive the power wheelchair.
- Do not press the On/Off button of the controller while the power wheelchair is moving. This will cause the electromagnetic brakes to stop working or cause damage to the joystick controller.
- Do not drive over deep and soft terrain (soft dirt, loose gravel, or deep grass).
- Do not attempt to climb stairs higher than 50mm (2") unless a slide way is installed.
- Do not disassemble the power wheelchair unless the electromagnetic brakes are engaged and the joystick controller is turned off.
- Do not operate the power wheelchair if no one is sitting on it.
- Do not drive the power wheelchair on the road, except on the footpath.
- Do not change the driving direction or reverse before the power wheelchair has come to a complete stop.
- Always engage a slow speed when going down gradients (move the joystick to the central position).
- Always use the safety belt.
- Always keep your feet on the footrest while driving.
- Always make sure the batteries are fully charged before setting out on a journey.
- Always charge the power wheelchair in a well-ventilated area to prevent any possible risk.
- When the screw in the centre of the wheel is loose, replace it with a standard configuration screw using a wrench.
- When passing a slope, move the seat as far forward as possible.

PowerCruise Transit Wheelchair





















- Reminder! When using an electric wheelchair, please follow the guidelines. As a driver of an electric wheelchair, you must follow all regulations, like any other driver.
- Make sure there is no obstacle behind when braking.
- It is recommended that the speed be the lowest when reversing.
- Avoid emergency braking, irregular shaking, or sudden turning.
- Keep your arm on or within the armrest and keep your foot on the footrest.
- Do not cross roadsides that are more than 5mm high.
- Do not cross a gap that is more than 10cm wide.

Precautions When Driving on Slopes

- Driving on a slope is much more dangerous than driving on a flat road. Please observe the following precautions to prevent falling or losing control, which can cause serious harm to users and others.
 - Do not climb slopes that exceed 12°.
 - Do not reverse when climbing a slope as it may cause a rollover.
 - Do not drive on slopes with a side angle greater than 3°. Driving on such slopes can easily lead to rollovers.
 - Avoid driving on soft, uneven, or unprotected surfaces such as grass and gravel.
 - Slow down when going downhill. It takes longer to stop the wheelchair completely when braking downhill.
 - Do not attempt to climb up and down slopes abruptly.
 - Always stop the wheelchair before getting on or off.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p>Flammable Material Hazard Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p>Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p>Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p>Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p>Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p>Explosive Material Hazard Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p>Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p>Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p>Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p>Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p>Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.</p>	 <p>Running Hazard Do not run on or near the product as doing so may present a fall hazard.</p>	 <p>Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p>Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p>Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p>Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p>Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p>Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>

















 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p>Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p>"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p>Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.</p>	 <p>Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p>Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p>"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p>Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p>Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p>Cable Hazard Ensure that load bearing cable is not kinked or knotted.</p>	 <p>Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p>Winch Hook Hazard Carry hook to load – do NOT throw or run.</p>	 <p>Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p>Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.</p>	 <p>Choking Hazard Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.</p>

Table of Contents

Safety	2
Safety Symbols	6
Parts Identification	9
Spare Parts	11
Assembly	12
Operation	14
Practice Before Operation	14
Stop, Forward, and Reverse Operation Practice	14
Move Forward	15
Practice "S" Turns	15
Practice Reversing	16
Terminologies	17
Joystick Features	18
Joystick Controller Operation Instructions	18
On/Off Button and Power Display	19
Joystick	20
Speed Display (S1-S5)	20
Horn	20
Deceleration Button	20
Acceleration Button	20
Self-Help Guidance	20
Motor Magnetic Brake Handle	21
Folding Your Power Wheelchair	22
Voice Feedback	22
Adjusting the Controller Length	22
Back Flip Rotating Armrest	23
Removing the Battery	23
Battery Use	24
Battery Charge and Discharge	24
Charger Usage	25
Lithium Battery Care and Maintenance	26
Top 3 Battery Care Requirements	26
Maintenance	28
Troubleshooting	29
Specifications	30

Parts Identification



No.	Name
1	Push handle
2	Cable clip
3	12" rear wheel
4	8" front wheel
5	Armrest
6	Liftable armrest lock
7	Removable battery
8	Pedal



No.	Name
9	Cushion bag
10	Folding latch
11	Power/manual switch
12	Anti-tipping wheel
13	Joystick

Spare Parts



Spare parts available for purchase, scan QR codes below:

QR Code

SKU



HWCELEE15SA



HWCELEE15BA

Assembly

1. Take the wheelchair and spare parts out of the packing box.



2. Install the controller to the right-hand armrest of the driver (refer to picture 1 and picture 2); lock the cable on the handle tube (refer to picture 3).



Picture 1



picture 2



picture 3

3. Grab the push handle with one hand and use force to shake it open



4. Install the anti-tipping wheel.



Operation

IMPORTANT! When attempting to stand you must ensure the footrests have been flipped up prior to attempting to exit the chair. Assistance may be required to exit the chair. A qualified carer is recommended when traveling up or down an incline. Do not stand directly on the wheels, do not place any weight directly on the wheels. When sitting on the seat ensure the brakes are engaged and the user is balanced towards the back of the seat. Do not lean forward. The transit wheelchair is not designed for transiting a patient through long distances or for use on rough, uneven surfaces.

Practice Before Operation

WARNING! Failure to follow the instructions below may result in damage to the electric wheelchair or serious injury.

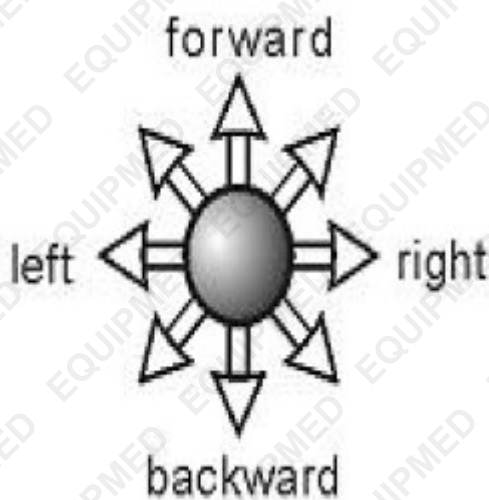
- Choose an open area such as a park for your practice. Having an assistant to help you is recommended.
- Ensure the power is off before getting on or off the seat.
- Adjust the speed control button to the appropriate speed you need for your driving.
- We recommend keeping the speed at the slowest setting until you are familiar with the driving characteristics of the vehicle.

Stop, Forward, and Reverse Operation Practice

To practice operating your electric wheelchair:

- **Push the Joystick Forward:** Move the joystick forward to drive the wheelchair forward.
- **Pull the Joystick Backward:** Pull the joystick backward to drive the wheelchair in reverse.
- **Release the Joystick:** Release the joystick to stop the wheelchair.

Refer to the directional diagram below for visual guidance on joystick operation. Practice these movements in a safe, open area until you are comfortable with the controls.



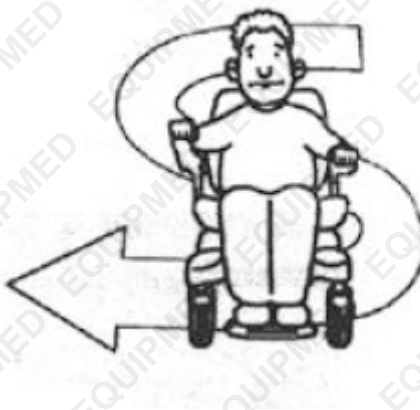
Move Forward

- Set the speed to the lowest setting.
- Practice moving forward until you are comfortable with the controls.



Practice "S" Turns

- Once familiar with moving forward, practice making "S" turns.
- Ensure you are comfortable manoeuvring the wheelchair in both directions.



Practice Reversing

- After mastering forward movement and turns, practice moving backward.
- Pay attention to speed control when reversing to ensure safe operation.



EMI WARNING: The rapid development of electronic technology, especially in the communication area, has filled our living environment with electromagnetic waves, such as television, radio, and communication signals. These electromagnetic waves are invisible, and their intensity is increasing. All electronic devices act as antennas to electromagnetic signals and their degree of change. All electric wheelchairs and electric scooters are susceptible to electromagnetic interference (EMI). These disturbances can cause abnormal movement and control instability.

Electric wheelchairs and electric scooters are likely to be subject to electromagnetic interference. These disturbances of electromagnetic energy are transmitted from sources such as radios, televisions, and mobile phones. These disturbances may cause the electric wheelchair to fail to brake, move suddenly, or not move in the specified direction. It may cause damage to the electric wheelchair control system.

The brake system of the wheelchair is electromagnetic (EM), which means that once you release your hand from the joystick, it stops completely.

ATTENTION: Electric wheelchair buyers or users should use the electric wheelchair in the electromagnetic environment specified in tables 201, 202, 204, and 206. Otherwise, it may lead to the electric wheelchair not working properly.

Portable and mobile radio frequency communications equipment may affect the normal use of the electric wheelchair. Please use the electric wheelchair in the recommended electromagnetic environment.

WARNING: In addition to the accessories and cables provided by the manufacturer of the electric wheelchair, the use of other accessories and cables may result in an increase in the transmission of the electric wheelchair or a reduction in immunity.

The electric wheelchair should not be placed close to or stacked with other equipment. If it is necessary to be close or stacked, you need to observe that it is working properly using the configuration.

Follow the instructions below to reduce the chance of brakes going out of control or serious damage caused by the electric wheelchair itself:

- Do not turn on hand-held personal communication devices such as citizens band (CB) radios and cellular phones while the powered wheelchair is turned on.
- Be aware of nearby transmitters such as radio or TV stations and try to avoid coming close to them.
- If unintended movement or brake release occurs, turn the powered wheelchair off immediately to ensure safety.
- Be aware that adding accessories or components, or modifying the powered wheelchair, may make it more susceptible to interference from radio wave sources. (Note: there is no easy way to evaluate the effect on the overall immunity of the powered wheelchair).
- Report all incidents of unintended movement or brake release to the powered wheelchair seller and try to find out whether there is a radio wave source nearby.

When the following occurs, you should immediately turn off the electric wheelchair power supply:

- Sudden movement
- Operation direction is not controlled
- Brake failure

Terminologies

- Joystick: The device used to move the power chair.
- Controller: The device that allows the joystick to function.
- Armrests: Supports where arms can rest during time spent on the power chair.
- Footrest: A support where feet can rest during time spent on the power chair.
- Anti-tip Wheels: Wheels that allow slight tipping or prevent tipping while driving.
- Drive Wheel: The main wheels that move the power chair.
- Caster Wheel: The front wheels of the power chair.

WARNING! Do not use the electric wheelchair if the motor is unlocked. Do not disassemble the motor as it may cause the vehicle's performance to decline, resulting in damage.

Joystick Features



1. ON/OFF button
2. Speed indicator light
3. Deceleration button
4. Voice button
5. Power indicator
6. Horn
7. Acceleration button
8. SOS alarm
9. Joystick

Joystick Controller Operation Instructions

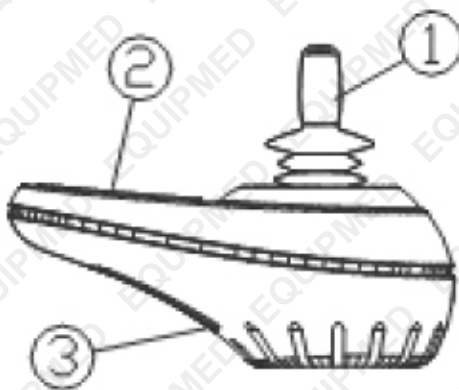
Assembling the Controller:

1. Install the controller on the controller connection.
2. Adjust the controller connection tube to the appropriate length, then tighten the locking bolt.
3. Plug the connectors into the left and right motors and the battery.

① Joystick

② Front control panel

③ Charging Port



Operation of the Controller:

- Try to avoid knocking the controller, especially the joystick.
- Do not beat the controller and the joystick while travelling.
- Do not hit the controller.
- When operating the wheelchair, ensure that the control system is safe and reliable.

Operating environment:

- Do not keep the control system and its components in a humid environment for long periods of time.
- If the control system comes into contact with food or drink, clean it up promptly.

Cleaning:

- Dilute deodorant cleaner and use a cloth to wipe the control system and the joystick.
- Be particularly careful when wiping the joystick.
- Do not use abrasives or similar cleaners.

On/Off Button and Power Display

On/Off Button:

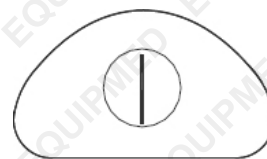
- The On/Off button provides power to the electronic components of the control system, which in turn provides power to the wheelchair motor.
- In emergency situations, you can use the On/Off button to stop the wheelchair.

Power Display:

- The power display shows the current battery power of the wheelchair.
- The indicator light indicates that the wheelchair is turned on.
- At the same time, the power display also shows the status of the wheelchair. Refer to the "Controller Status Indication" for details.

Turning On the Power:

1. Press the power button.
2. Each indicator will light up.
3. The display will show the current battery charge status.



Turning Off the Power:

1. Press the power button.
2. The indicator light will turn off.

Joystick

- The main function of the joystick is to control the speed and direction of the wheelchair.
- The joystick can control the wheelchair to travel in any direction. The operation of the joystick movement will determine the speed of the wheelchair in that direction.
- The farther the joystick is moved from the centre, the faster the wheelchair runs.
- When you release the joystick, the wheelchair is automatically braked.

Speed Display (S1-S5)

- This indicates the speed setting of the wheelchair, with a total of 5 levels.
- S1 is the lowest speed, and S5 is the highest speed.

Horn

Press the horn button to emit a sound.

Deceleration Button

- This button can reduce the speed setting gear, and the corresponding speed indicator lights will turn off.
- This button has no effect when the wheelchair is moving.

Acceleration Button

- This button can increase the speed setting gear, and the corresponding speed indicator lights will turn on.
- This button has no effect when the wheelchair is moving.

Self-Help Guidance

If a system failure occurs, check the position of the flashing lamp on the speed display and battery indicator. Refer to the "Controller Status Indication Description" list to identify the issue based on the corresponding abnormal sound and follow the recommended steps for troubleshooting.

Error Indication	Malfunction	Solution
All LED lights are off, no sound	The power is off or in standby, and the power cord is in poor contact.	Check if the power plug is disconnected.
All LED lights are on	The power supply is turned on and the power-on self-test passes. The product can be used normally.	
The leftmost red LED is on, and the voice alarm sounds	Extremely low power supply	Charge in time or replace the bad battery.
Two long sounds after two short sounds	Left motor failure	Check whether the left motor connector is plugged in and the connection is good.

Error Indication	Malfunction	Solution
Four long sounds after two short sounds	Right motor failure	Check whether the right motor connector is plugged in and the connection is good.
Six long sounds after two short sounds	Controller over-current status	After a heavy load, check whether the vehicle exceeds the rated load, then turn it off and restart.
Seven long sounds after two short sounds	Joystick problem	When the controller switch is turned on, ensure the joystick is released and in the centre position. After adjusting the joystick, turn off and on again.
Eight long sounds after two short sounds	The controller itself is faulty	Replace the controller.
Nine long sounds after two short sounds	The controller itself is faulty	Replace the controller.

Motor Magnetic Brake Handle

As long as the handle at the motor is down on both sides, you can push the wheelchair manually. To change it to electric mode, pull the handles up.



Folding Your Power Wheelchair

1. Loosen the rear lock and pull the locking latch out.



2. Hold the push frame with one hand and the seat cushion frame with the other hand. Use both hands to fold the wheelchair completely.



Voice Feedback

To turn OFF, press and hold the + button for 3 seconds, then press the horn button. Now restart the unit by pressing the power button and the voice feedback will be disabled.

Adjusting the Controller Length

1. Locate the locking bolts under the armrest and loosen them.
2. Pull the controller bracket outwards to the desired length.
3. Once the bracket is at the proper position, lock the locking bolts to secure it.

Installing the Controller on the Left Side:

1. Remove the controller bracket from its current position.
2. Install the controller bracket on the left armrest as needed.
3. Adjust the controller bracket to the proper length and lock the locking bolts as described above.



Back Flip Rotating Armrest

- Pull the small spanner on the outside of the left and right armrests down so that the armrests are in a loose state, and then the armrests can be turned back.
- For users of wheelchairs whose legs cannot bear any weight or who cannot turn the armrest independently, it is recommended that an assistant help turn the armrest of the wheelchair.
- Any assistant who helps a user of a wheelchair must receive appropriate training in the handling of wheelchairs.

Removing the Battery

1. Hold down the battery clip with your thumb and grasp the battery handle with your other four fingers.



2. Step 2: Pull the battery out.



Battery Use

The electric wheelchair uses a 24V battery. This is a maintenance-free sealed lithium battery designed to handle deep discharges. Although they are similar in performance to car batteries, car batteries cannot be used as replacements. Car batteries are not designed for long periods of deep discharge and are not safe for use in electric wheelchairs.

Battery Charge and Discharge

To maximise the efficiency of your wheelchair battery:



1. The battery should be fully charged during initial use to achieve 90% of its capacity.
2. When using the electric wheelchair in your home or yard, start slowly and do not drive too far until you adapt to the control system and the battery discharge is complete.
3. Charge your battery for 6 - 8 Hours, then re-operate the wheelchair. The battery can now utilise more than 90% of its potential.

4. After 4-5 cycles of charging and discharging, the battery can reach 100% efficiency and continue for a long time.

Important Information About the Battery:

- Frequently charged batteries provide reliable performance and long battery life. Whenever possible, keep your battery fully charged, and perform regular discharges. Infrequent charging or not fully charging the battery may cause permanent damage, resulting in unreliable operation and reduced battery life.
- If you do not often use your electric wheelchair, charge it once a week to ensure battery activity.
- If you want to ship your wheelchair, contact the shipping company in advance to ensure that the wheelchair meets their special transportation requirements.
- Maintenance-free, fully enclosed lithium batteries are designed for wheelchairs and other mobile vehicles. These batteries are generally safe, green, and environmentally friendly, and are used in aircraft, buses, and trains. We recommend contacting the public transport department for packaging and shipping according to special requirements.
- Replace and dispose of used batteries according to relevant state regulations.

Charger Usage

1. Insert the charger into the port underneath the joystick/control panel, which is located on the right armrest.
2. Carefully check whether the charger's rated input voltage (AC100-240V) matches the grid voltage.
3. When the vehicle needs charging, first connect the battery to the charger, and then connect the charger to an AC power source.
 - The charging indicator will be **red**, indicating that it is charging. When it turns **green**, it will take an additional 15 minutes to be fully charged.
 - The charging time is about 6 - 8 Hours (depending on the remaining battery capacity).






Matters Needing Attention During Charging:

- When charging, place the charger in a safe location where children cannot reach it.
- It is not advised to use the wheelchair if it is not fully charged.
- Do not use chargers from other brands, as they may not be suitable for this charger.
- Do not disassemble the charger, as it contains high-voltage circuits.
- Prevent liquid and metal particles from penetrating the inside of the charger. Be cautious of drops and impacts to avoid damage during use and storage.
- Do not affix any items to the charger while it is charging.
- Fully charge the battery and turn off the power before storage. Charge the battery at least every three months to maintain its condition.

Lithium Battery Care and Maintenance

Top 3 Battery Care Requirements

1. **Charge battery before first use.** The battery may arrive with some charge, regardless of this the battery must be charged for 6 - 8 Hours on the initial charge and 6 - 8 Hours for each subsequent charge. 
2. **Charge battery immediately when it is depleted.** Do not store a depleted battery. This will permanently impact the life of the battery. If the battery is going to be stored for a period of time, fully charge the battery before storing. 
3. **Disconnect battery when not in use.** To prolong the life of a battery, disconnect it from the unit when not in use. Disconnect chargers from the battery once charged. 

To ensure the battery maintains optimum performance, follow the guidelines outlined below.

- For best results, charge batteries in temperatures between 10°C and 30°C
- When battery is charged, disconnect the charger from the power supply and remove the battery from the charger.
- If a battery is stored or otherwise unused for an extended period, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.
- Use only with the battery charger specified by the manufacturer.
- Ensure that the battery charger electrical cord is not subjected to damage or stress. Do not operate the battery charger if it has a damaged electrical cord or plug.
- Do not use the charger in wet areas or expose it to rain or water.
- The typical estimated life of a Lithium-Ion battery is about two to three years or 300 to 500 charge cycles, whichever occurs first. One charge cycle is a period of use from fully charged, to fully discharged, and fully recharged again.
- Explosion hazard – protect the battery against heat, for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- Batteries can explode in the presence of an ignition source, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. Exploding batteries can propel debris and chemicals.
- Do not open the battery – danger of short-circuiting and/or explosion.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – do not open and/or short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under extreme conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, immediately seek medical attention, and flush with water. If liquid contacts eyes, immediately seek medical attention, flush with clean water for at least 10 minutes. Liquid ejected from the battery may cause irritation or burns.
- Dispose of non-serviceable batteries in an environmentally responsible manner and according to local regulations.

Failure to adhere to the requirements above may result in the battery becoming inoperative or battery life being reduced. In extreme cases or abuse, battery overheating, or fire may result.

DANGER - BATTERY CHARGING, USE AND STORAGE

Like mobile phones, laptops, cordless vacuum cleaners etc, this product may contain or be related to a lithium ion battery pack (lithium ion batteries and lithium ion battery related items only). Lithium ion batteries allow fast charging and high capacities, however care must be taken to reduce chances of a fault, and increase safety in case a fault occurs. Catastrophic incidents involving lithium ion batteries have a tendency to result in large amounts of smoke and fire. Be sure to follow the points below to reduce the likelihood of danger whenever you use, charge or store any lithium ion battery.

- Never charge a battery that has been damaged or subjected to a forceful impact.
- Never charge a battery that has been exposed to moisture or water.
- Never charge a battery with a charger that wasn't supplied with the battery.
- Never use a battery in a device that it wasn't specifically designed for.
- Never use a battery with a modified or damaged device.
- Never modify the battery, product, charger, circuitry or wiring.
- Never charge a battery in an exit path that may be used by people to leave a room or building in case of an emergency, for example, the hallway or foyer of a residence.
- Never charge a battery in an area or building that doesn't have the recommended number of working smoke detectors that have been tested in accordance with local guidelines.
- Never charge a battery when the battery or charger is displaying a problem or charging incorrectly.
- Always charge batteries on a non-combustible surface, for example, on a concrete floor.
- Always charge batteries at least 3m away from anything combustible, such as floors, wall surfaces, furniture, storage shelves etc.
- Always charge batteries in an open area (outside if possible) ensuring the battery and charger are away from moisture and water.
- Always disconnect batteries from the charger after charging.
- Always remove or disconnect batteries from the device/product when not in use.
- Always ensure batteries are charged under adult supervision. Do not charge unattended. Do not charge batteries while no one is home or while people are sleeping.
- Keep batteries away from heat and moisture.
- Damaged batteries should be disposed of through your local e-waste collection service.
- Avoid mixing and matching chargers. Unplug products when fully charged, and charge batteries in a cool, dry place away from combustible materials like beds, lounges, or carpet.
- During charging and use, check your lithium-ion batteries for overheating, signs of swelling, leaking, or venting gas. Immediately stop using your product if these signs are present.
- Allow batteries to cool after use and before charging.

Maintenance

Your electric wheelchair is designed to be maintenance-free. However, we recommend performing the following checks on a regular basis:

Motor Carbon Brush

- Every six months, have the motor carbon brush checked by a local dealer.

Joystick/Controller

- Ensure that the controller is kept away from damp air, as moisture can easily damage it and void the warranty.

Battery Cable

- Check the battery cables regularly to ensure they are not corroded.

Cleaning

- Clean your wheelchair with a damp cloth.
- Do not use water to clean your wheelchair.

Tyre Pressure



The tyre pressure should be checked every 30 days. If the tyre is going flat, unscrew the cap on the Schrader valve and inflate the tyre to the required psi. The required psi is typically printed on the sidewall of the wheelchair's tyres.

**Not applicable to solid rubber tyres.*

Troubleshooting

Area	Tasks
B area	<p>Check the following parts monthly to avoid original parts becoming loose or worn out:</p> <ul style="list-style-type: none"> ▪ If screws are loose ▪ Brakes ▪ Clutch for manual mode and power mode ▪ The tyres and their tread pattern depth ▪ Connectors for controller and charger
C area	<p>For safety considerations, an overall maintenance check is needed semi-annually.</p>
A area	<p>Before each use, check the following parts to ensure they are properly placed:</p> <ul style="list-style-type: none"> ▪ Backrest ▪ Armrest ▪ Controller position ▪ Foot stand ▪ Clutch for conversion between manual mode and power mode ▪ Checking the power status of the controller

Specifications

Frame	Aluminium
Motor	2 x 250W
Seat Width	42cm
Battery	24V 12Ah Lithium
Charge Time	6 - 8 Hours
Brake	Electronic magnetic brakes
Rear Wheels	12" Pneumatic
Front Wheels	8" PVC
Safety Features	Seat belt, Anti-tip wheels
Storage	Folding back, flip up armrest, detachable battery
Max Load	110kg
Seat Height	50cm
Turning Radius	90cm
Maximum Range	15 km (condition dependent)
Maximum Climbing Gradient	13 degree
Charger	24V 2A
Approvals	CE (battery), SAA (Charger and Power Cord)
Recommended User Height	120-190cm (4'0"-6'2")

Disclaimers: ALWAYS READ THE LABEL AND FOLLOW THE DIRECTIONS FOR USE.



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

